



DOCKET NO. 301496.2001-103

## UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name:

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SONAR BEAMFORMING SYSTEM

the specification of which (check one)

[ ] is attached hereto.

[X] was filed on July 19, 2001 as United States Application

Number or PCT International Application No. 09/909,141  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the ~~obligation~~ to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>	<u>Priority Not Claimed</u>	<u>Certified Copy Filed?</u>
<u>YES</u>	<u>NO</u>	
(Number)	(Country)	(Day/Month/Year filed)
		[ ] [ ] [ ]
(Number)	(Country)	(Day/Month/Year filed)
		[ ] [ ] [ ]
(Number)	(Country)	(Day/Month/Year filed)
		[ ] [ ] [ ]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>60/195,587</u> (Application Number)	<u>April 6, 2000</u> (Filing Date)
	(Filing Date)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/828,266</u> (Application Serial No.)	<u>April 6, 2001</u> (Filing date)	<u>Pending</u> (Status: patented, pending, abandoned)
<u>09/842,311</u> (Application Serial No.)	<u>April 25, 2001</u> (Filing date)	<u>Pending</u> (Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states:

Thomas O. Hoover	Reg. No. 32,470
Monica Grewal	Reg. No. 40,056
Raymond I. Bruttomesso, Jr.	Reg. No. 33,840

Bowditch & Dewey, LLP  
161 Worcester Road  
Framingham, Massachusetts 01701-9320;

and \_\_\_\_\_

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to: Thomas O. Hoover, Esq.  
Bowditch & Dewey, LLP  
161 Worcester Road  
Framingham, MA 01701-9320

Direct telephone calls to: Thomas O. Hoover Telephone No.: 508-879-5700

Direct facsimiles to: Thomas O. Hoover Facsimile No.: 508-929-3073

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor

Inventor's Signature

Residence

Citizenship

Mailing Address

Alice M. Chiang

*Alice C.*

4 Glenfeld East

Weston, Massachusetts 02493

USA

same as above

Date 11/12/01

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Full name of sole or first inventor	Steven R. Broadstone	Date
Inventor's Signature	<i>Steven R. Broadstone</i>	<u>11-12-01</u>
Residence	14 Hammond Place	
	Woburn, Massachusetts 01801	
Citizenship	USA	
Mailing Address	same as above	

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VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(c))-SMALL BUSINESS CONCERN

DOCKET NUMBER. 301496.2001-103

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Applicant or Patentee: TeraTech CorporationSerial or Patent No. 09/909,141Filed or Issued: July 19, 2001For: SONAR BEAMFORMING SYSTEM

I hereby state that I am

 the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below:NAME OF SMALL BUSINESS CONCERN: TeraTech CorporationADDRESS OF ORGANIZATION: 77-79 Terrace Hall Avenue  
Burlington, Massachusetts 01803

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416 or you may call 202-205-6618.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

the specification filed herewith with title as listed above.  
 the application identified above.  
 the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate statements as to their status as small entities. No rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below:

no such person, concern, or organization exists.  
 each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING

Alice M. Chiang

TITLE IN ORGANIZATION

President

ADDRESS OF PERSON SIGNING

4 Glenfield Court, Lexington, MA 02421

SIGNATURE

Alice M. ChiangDATE 01-12-01